

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled).

4. (Currently amended) A plasma display panel, comprising:

a first substrate;

a plurality of first electrodes provided on the first substrate;

a plurality of second electrodes provided on the first substrate, the first and second electrodes being provided in a first direction;

a second substrate;

a plurality of address electrodes provided on the second substrate in a second direction, the first direction being different from the second direction;

a plurality of barrier ribs provided between the first substrate and the second substrate;

a plurality of discharge cells, defined by the barrier ribs, and having corresponding first, second and address electrodes, wherein the plurality of discharge cells comprise green discharge cells, red discharge cells and blue discharge cells;

a green phosphor material provided to the green discharge cells;

a red phosphor material provided to the red discharge cells; and

a blue phosphor material provided to the blue discharge cells,

wherein the green phosphor material comprises a first class phosphor material of $\text{Zn}_2\text{SiO}_4\text{:Mn}$, and a third class phosphor material,

the third class phosphor material comprising at least one of $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$, $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, or ~~$\text{Ba}(\text{Sr},\text{Mg})\text{AlO:Mn}$~~ $\text{Ba}(\text{Sr},\text{Mg})\text{AlO:Mn}$, and wherein

weight of the first class phosphor material to total weight is less than 100%,

wherein the third class phosphor material to the total weight is ~~[[1~]]~~ greater than or equal to 1 wt⁰% and less than 25 wt⁰%.

5.-29. (Canceled).

30. (currently amended) A plasma display panel comprising:

a first substrate;

a plurality of first electrodes provided on the first substrate;

a plurality of second electrodes provided on the first substrate, the first and second electrodes being provided in a first direction;

a second substrate;

a plurality of address electrodes provided on the second substrate in a second direction, the first direction being different from the second direction;

a plurality of barrier ribs provided between the first substrate and the second substrate;

a plurality of discharge cells, defined by the barrier ribs, and having corresponding first, second and address electrodes, wherein the plurality of discharge cells comprise green discharge cells, red discharge cells and blue discharge cells;

a green phosphor material provided to the green discharge cells;

a red phosphor material provided to the red discharge cells; and

a blue phosphor material provided to the blue discharge cells,

wherein the green phosphor material comprises a first class phosphor material of $\text{Zn}_2\text{SiO}_4\text{:Mn}$, and a second class phosphor material comprising at least one of $\text{LaPO}_4\text{:Tb}$, $\text{Y}_3\text{Al}_3(\text{BO}_3)_4\text{:Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, $\text{YBO}_3\text{:Tb}$, or $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$, and a third phosphor material comprising at least one of $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$, $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, or ~~$\text{Ba}(\text{Sr}, \text{Mg})\text{AlO:Mn}$~~ $\text{Ba}(\text{Sr}, \text{Mg})\text{AlO:Mn}$,

wherein the third class phosphor material to the total weight is $[[1\sim]]$ greater than or equal to 1 wt% and less than 25 wt%.

31. (Previously Presented) The plasma display panel of claim 30, wherein the second class phosphor material comprises $(Y, Gd)BO_3:Tb$ or $Y_3Al_3(BO_3)_4Tb$; and the third class phosphor material comprises $BaAl_{12}O_{19}:Mn$.

32. (Canceled).

33. (Canceled).

34. (Previously Presented) The plasma display panel of claim 30, wherein the second class phosphor to the first class phosphor is 25~80 wt%.

35. (Previously Presented) The plasma display panel of claim 31, wherein the second class phosphor to the first class phosphor is 25~80 wt%.

36. (New) A plasma display panel, comprising:
a first substrate;
a plurality of first electrodes provided on the first substrate;
a plurality of second electrodes provided on the first substrate, the first and second electrodes being provided in a first direction;
a second substrate;

a plurality of address electrodes provided on the second substrate in a second direction, the first direction being different from the second direction;

a plurality of barrier ribs provided between the first substrate and the second substrate;

a plurality of discharge cells, defined by the barrier ribs, and having corresponding first, second and address electrodes, wherein the plurality of discharge cells comprise green discharge cells, red discharge cells and blue discharge cells;

a green phosphor material provided to the green discharge cells;

a red phosphor material provided to the red discharge cells; and

a blue phosphor material provided to the blue discharge cells,

wherein the green phosphor material comprises a first class phosphor material of $\text{Zn}_2\text{SiO}_4\text{:Mn}$, and a third class phosphor material,

the third class phosphor material comprising at least one of $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, or $\text{Ba}(\text{Sr}, \text{Mg})\text{AlO:Mn}$, and wherein

weight of the first class phosphor material to total weight is less than 100%,

wherein the third class phosphor material to the total weight is 1 ~ 25 wt%.

37. (New) A plasma display panel comprising:

a first substrate;

a plurality of first electrodes provided on the first substrate;

a plurality of second electrodes provided on the first substrate, the first and second electrodes being provided in a first direction;

a second substrate;

a plurality of address electrodes provided on the second substrate in a second direction, the first direction being different from the second direction;

a plurality of barrier ribs provided between the first substrate and the second substrate;

a plurality of discharge cells, defined by barrier ribs, and having corresponding first, second and address electrodes, wherein the plurality of discharge cells comprise green discharge cells, red discharge cells and blue discharge cells;

a green phosphor material provided to the green discharge cells;

a red phosphor material provided to the red discharge cells; and

a blue phosphor material provided to the blue discharge cells,

wherein the green phosphor material comprises a first class phosphor material of $\text{Zn}_2\text{SiO}_4\text{:Mn}$, and a second class phosphor material comprising at least one of $\text{Y}_3\text{Al}_3(\text{BO}_3)_4\text{:Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, and $\text{GdBO}_3\text{:Tb}$, and a third phosphor material comprising at least one of $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$ and $\text{Ba}(\text{Sr}, \text{Mg})\text{AlO:Mn}$,

wherein the third class phosphor material to the total weight is 1 ~ 25 wt%.